

EV301024409US

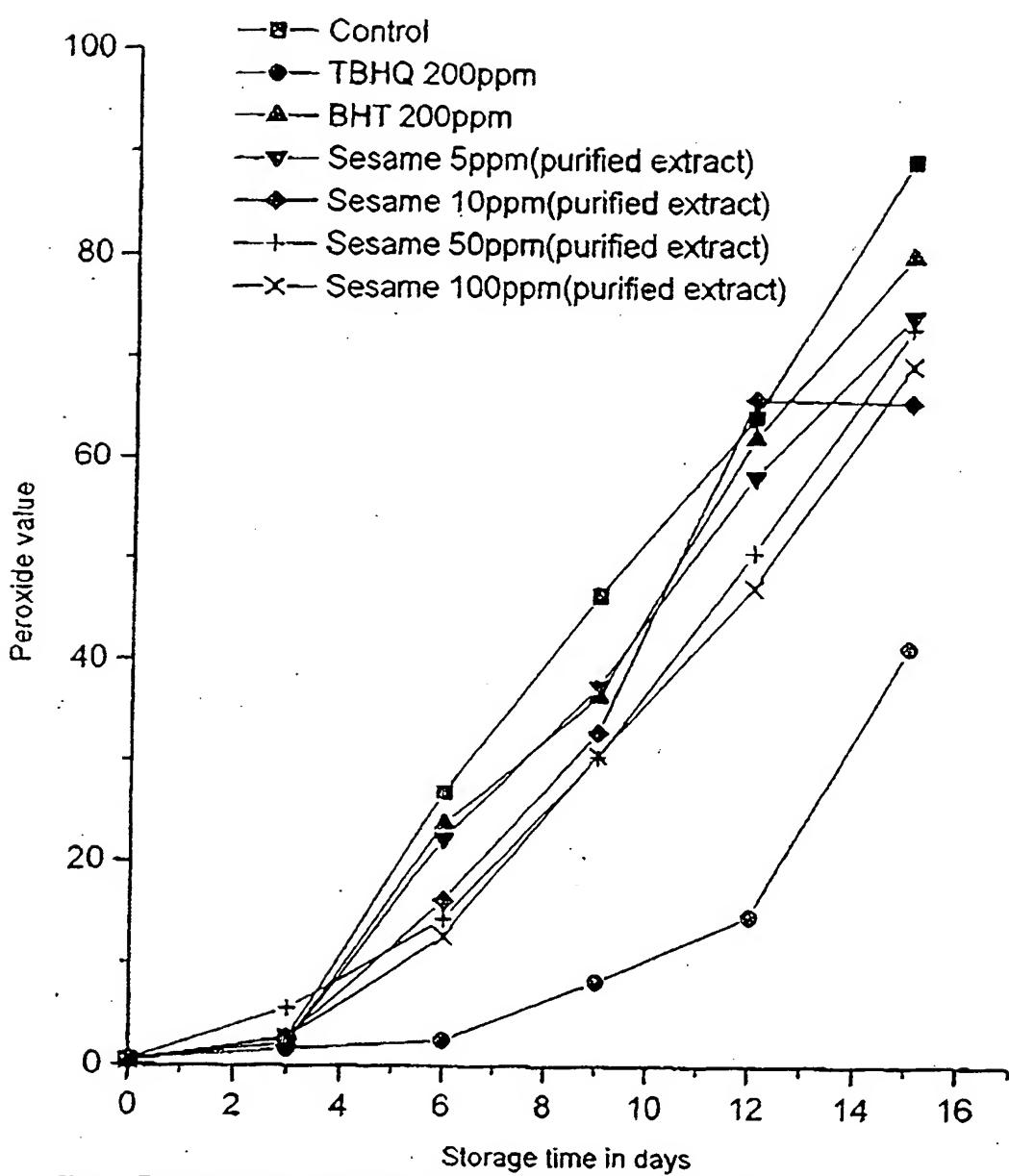


Fig.1.Peroxide value(milli equiv.  $O_2/kg$  ) of soybean oil stored at  $60^{\circ}C$

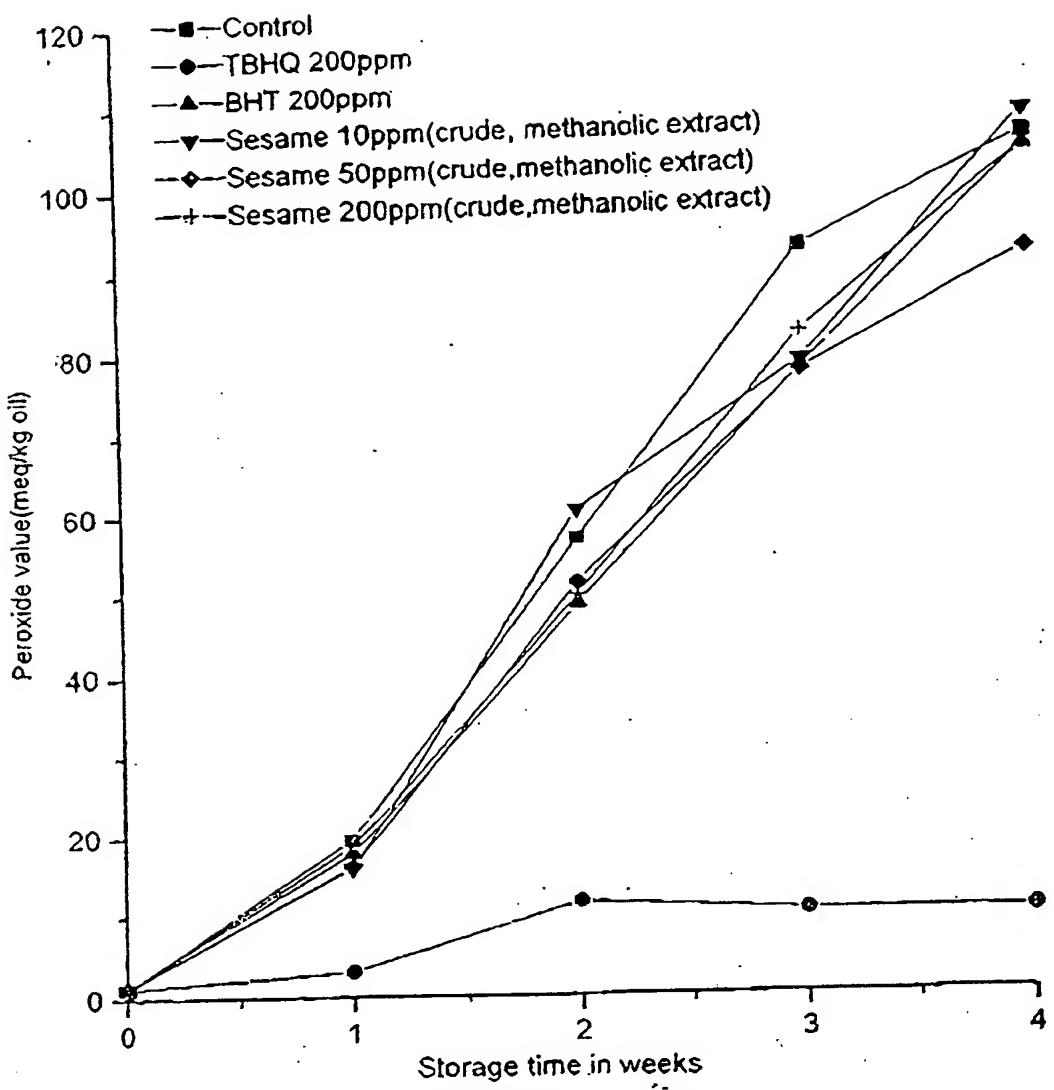


Fig.1a. Peroxide value(milliequiv.  $O_2/Kg$ ) of Soybean oil stored at  $60^{\circ}C$

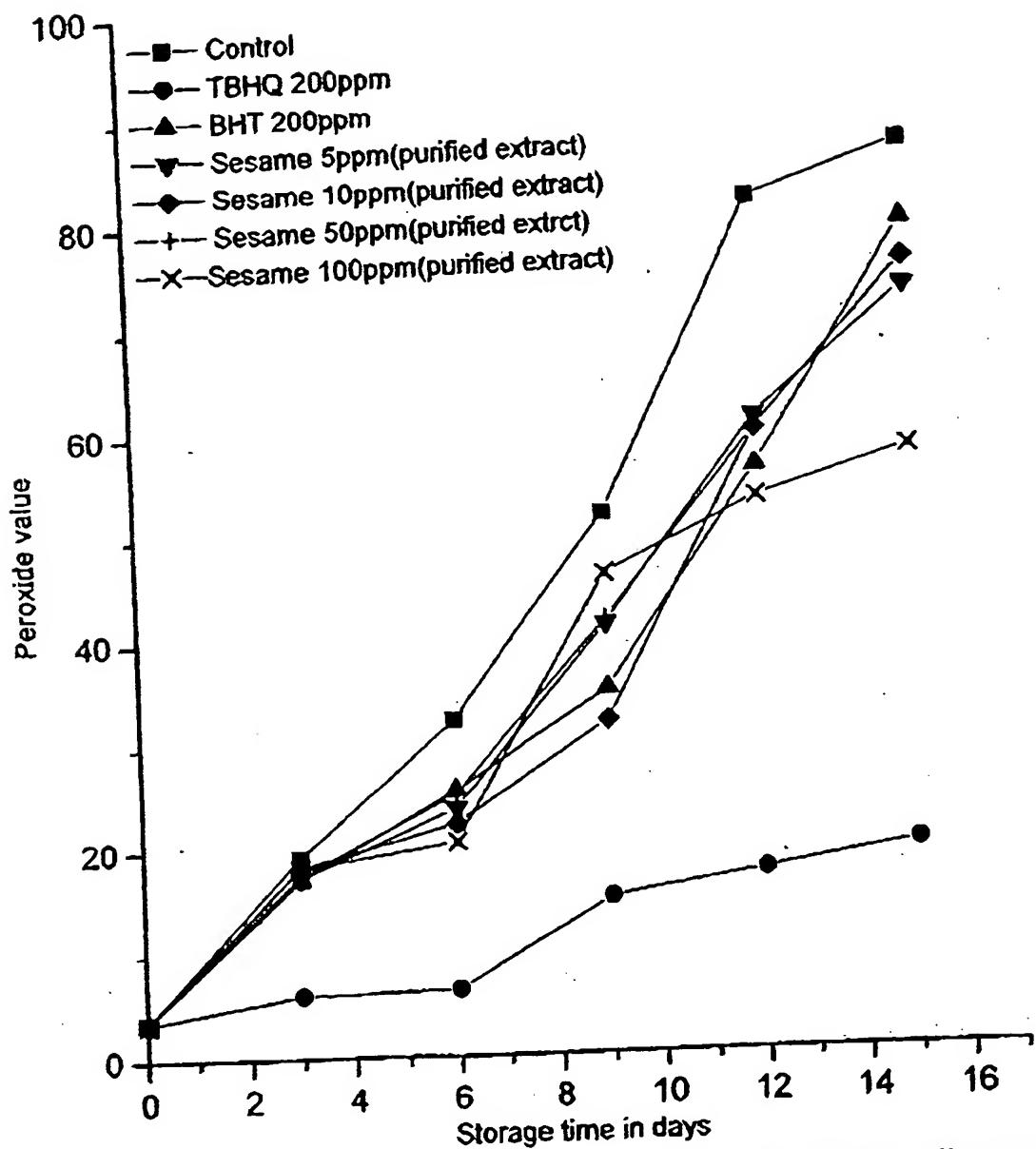
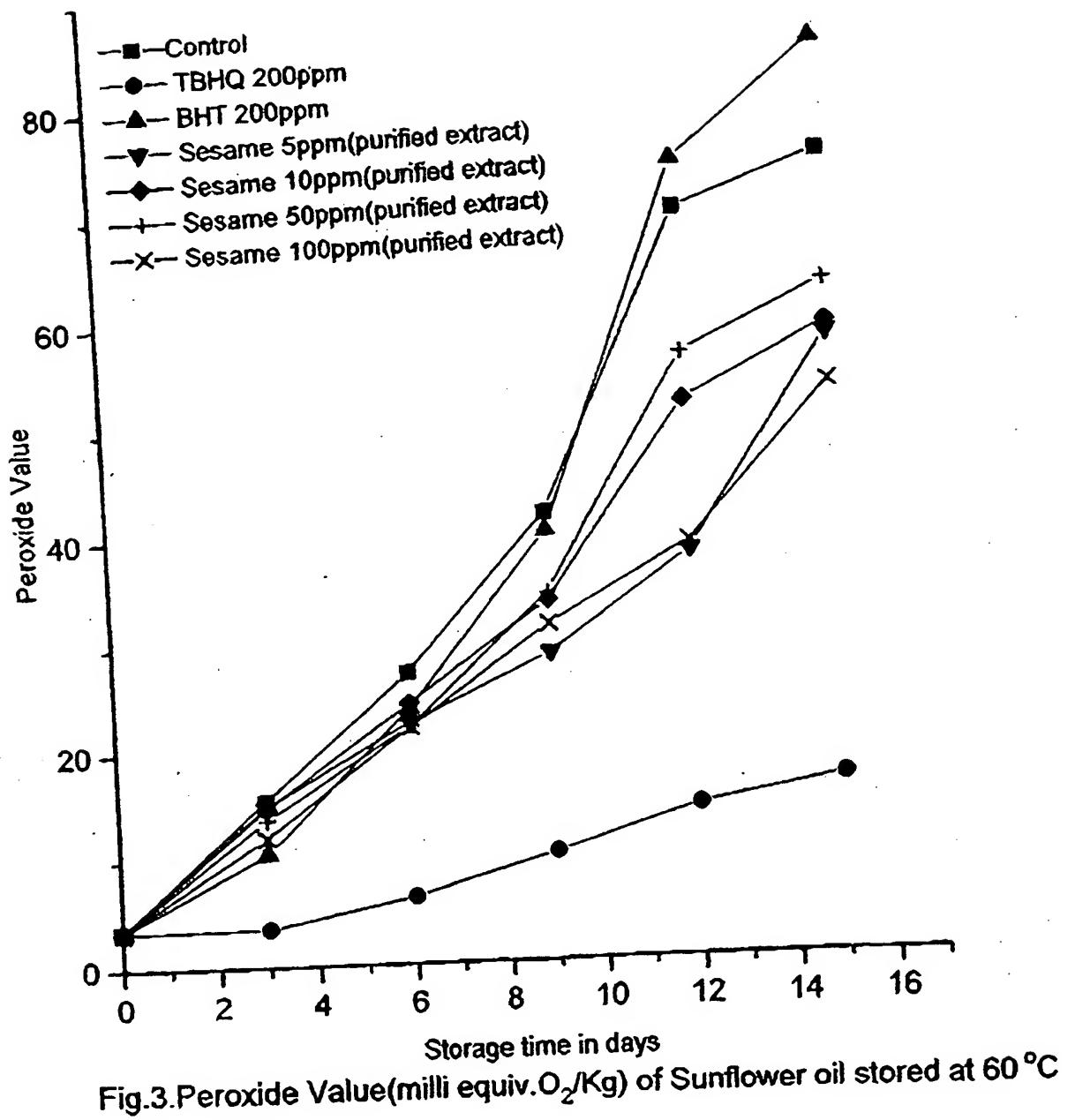


Fig.2.Peroxide value (milli equiv. $O_2/Kg$ ) of safflower oil stored at  $60^{\circ}C$



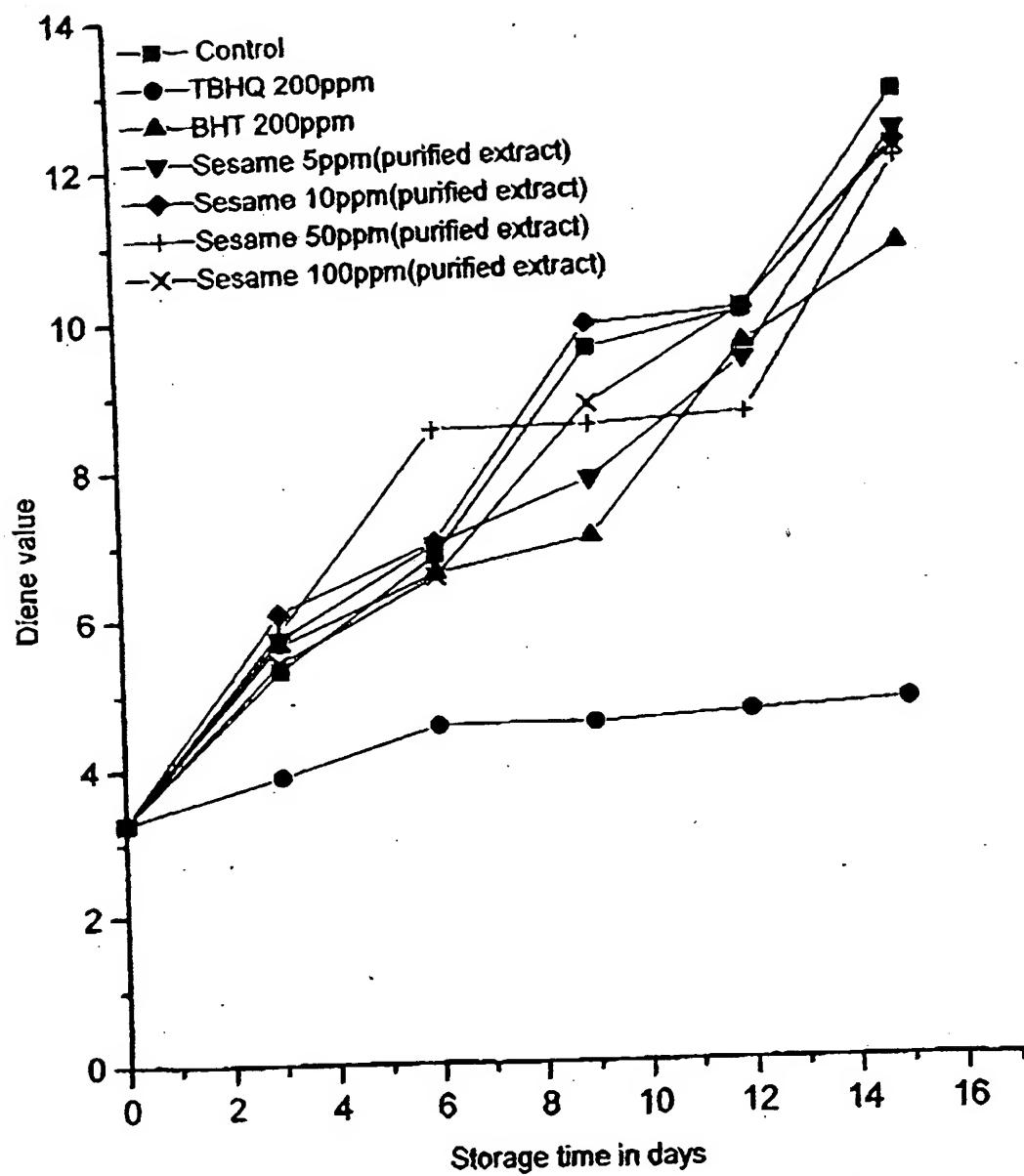


Fig.4. Diene Value of Safflower oil stored at 60° C

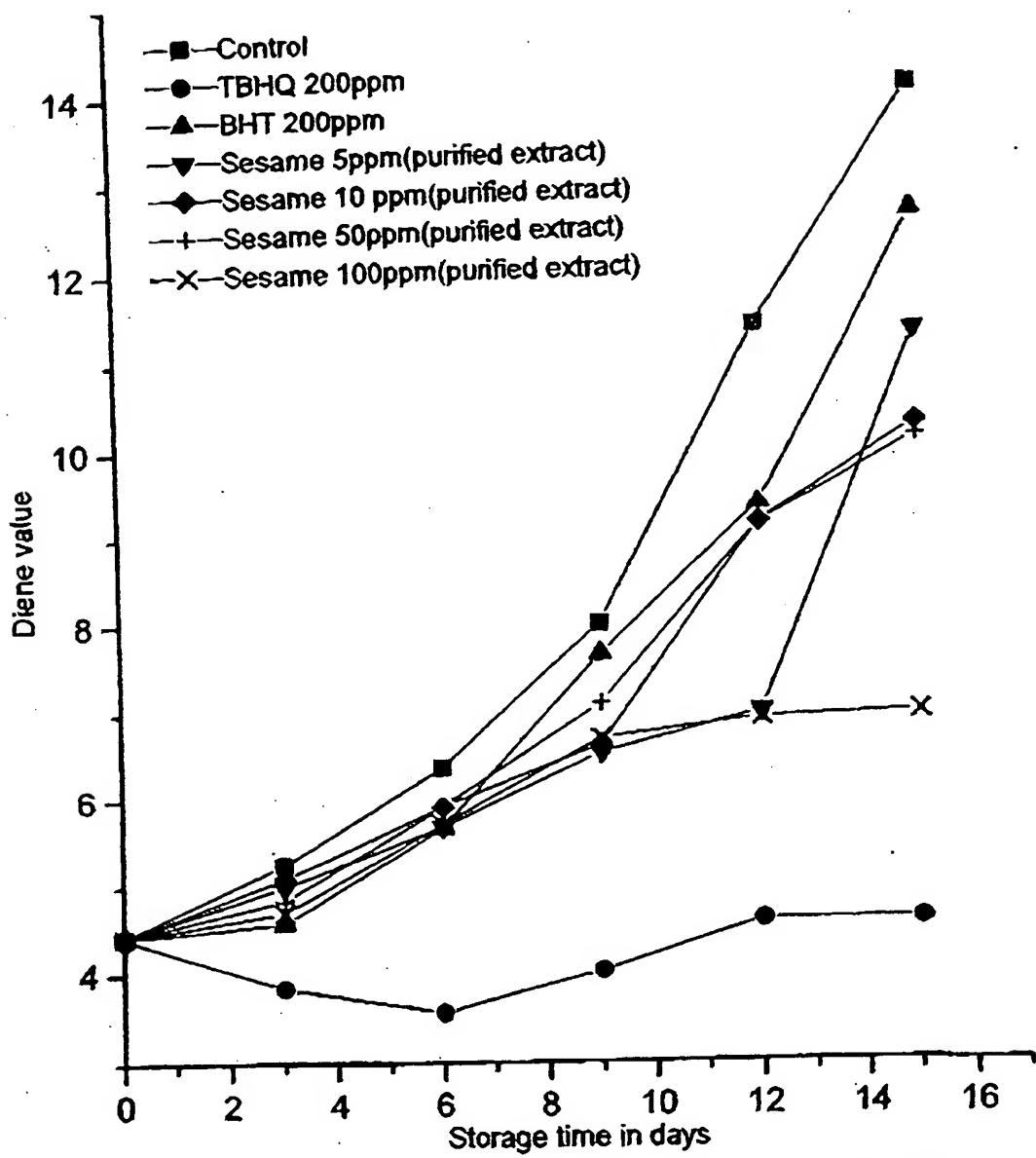


Fig.5.Diene Value of Sunflower oil stored at 60 ° C

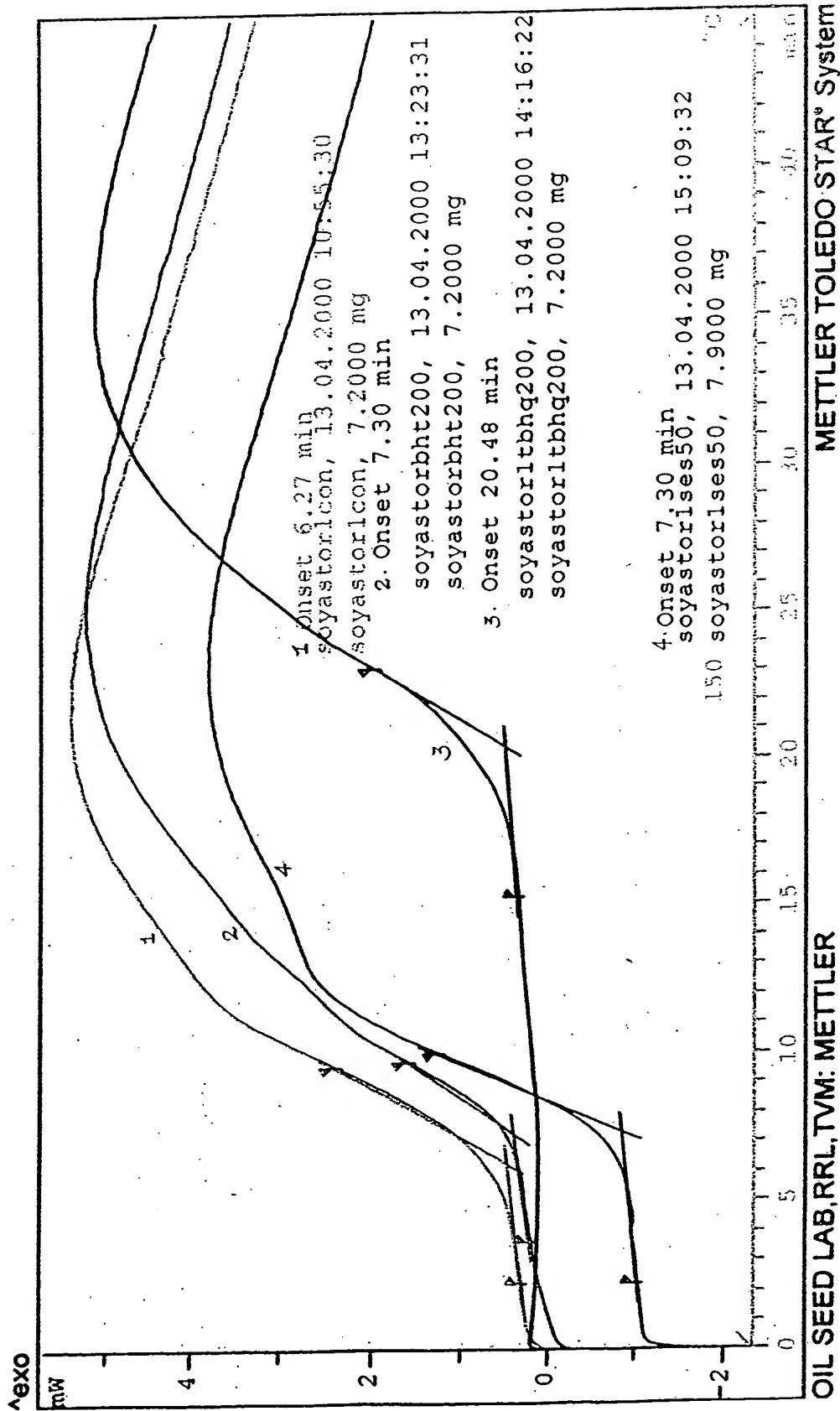


Fig.6. DSC profile of oxidative stability of soybean oil containing synthetic and sesame antioxidants at different concentrations (in ppm).

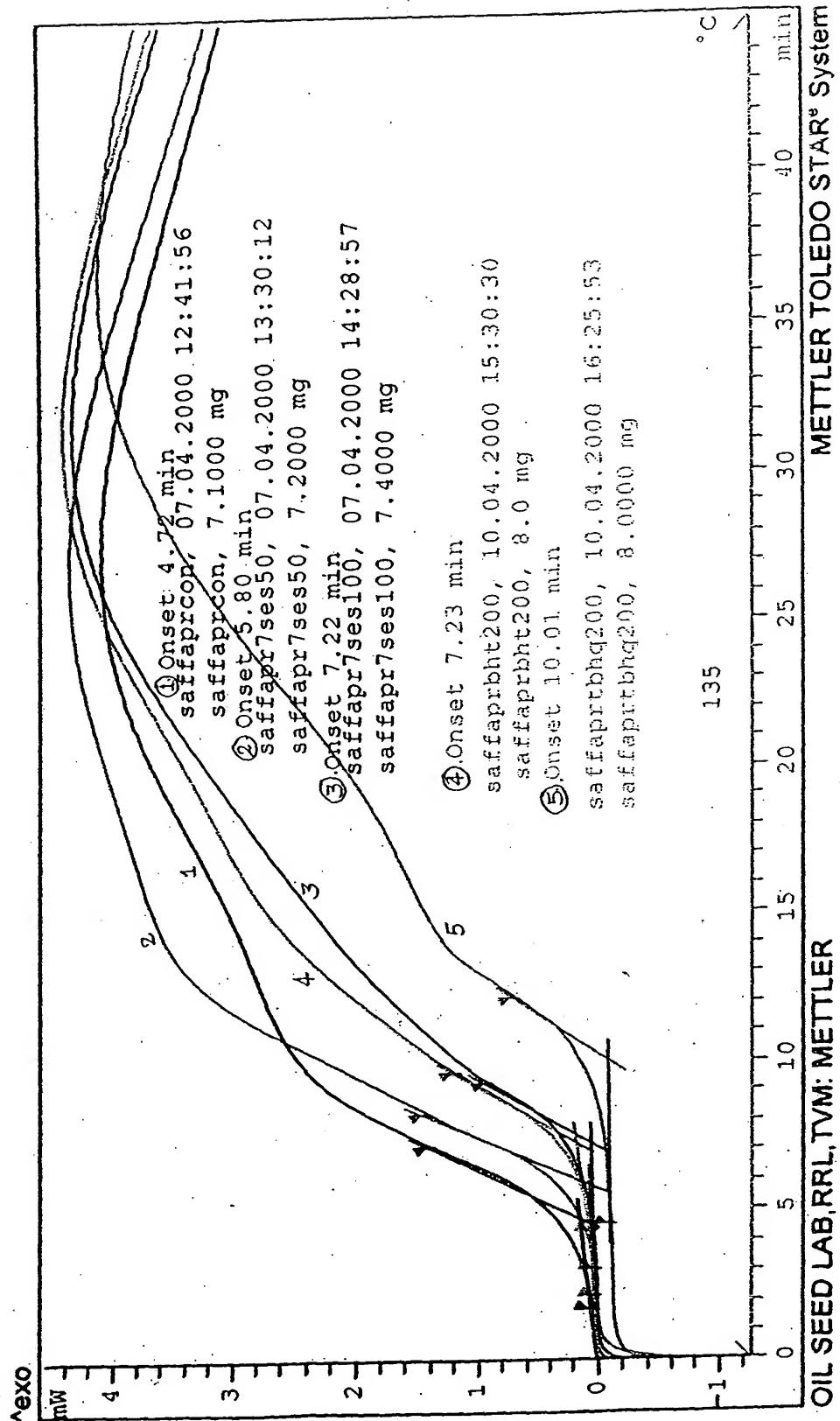


Fig.7. DSC profile of oxidative stability of safflower oil containing synthetic and sesame antioxidants at different concentrations (in ppm).

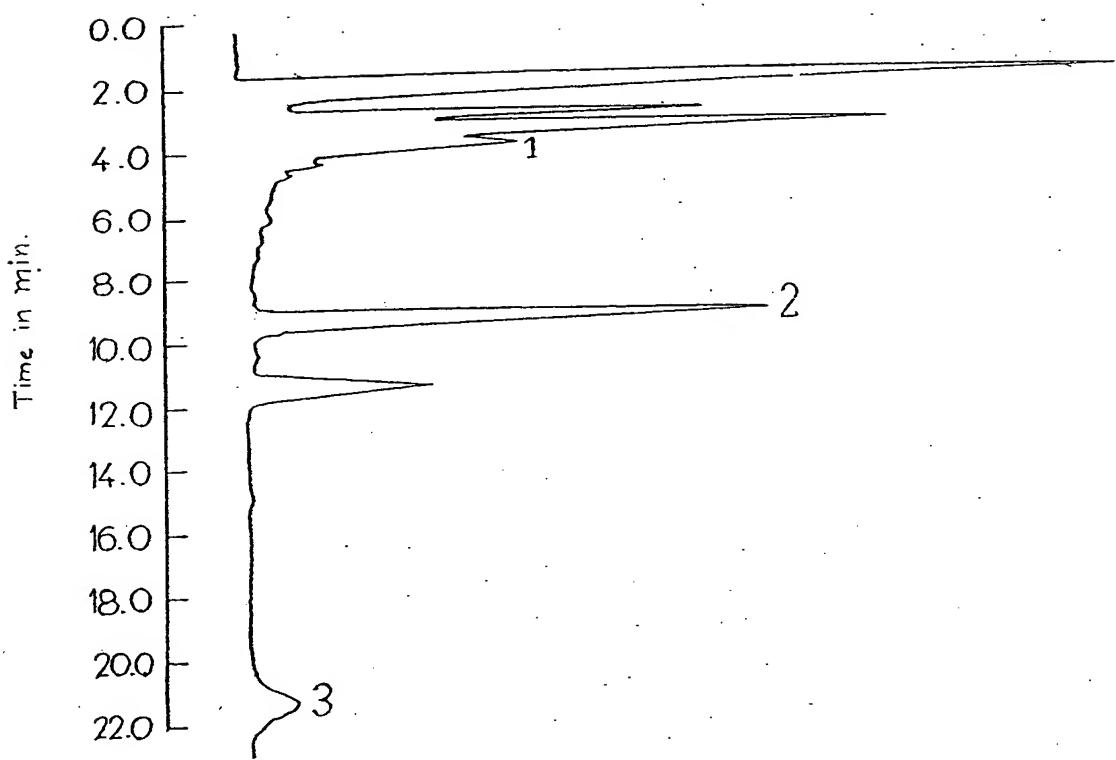
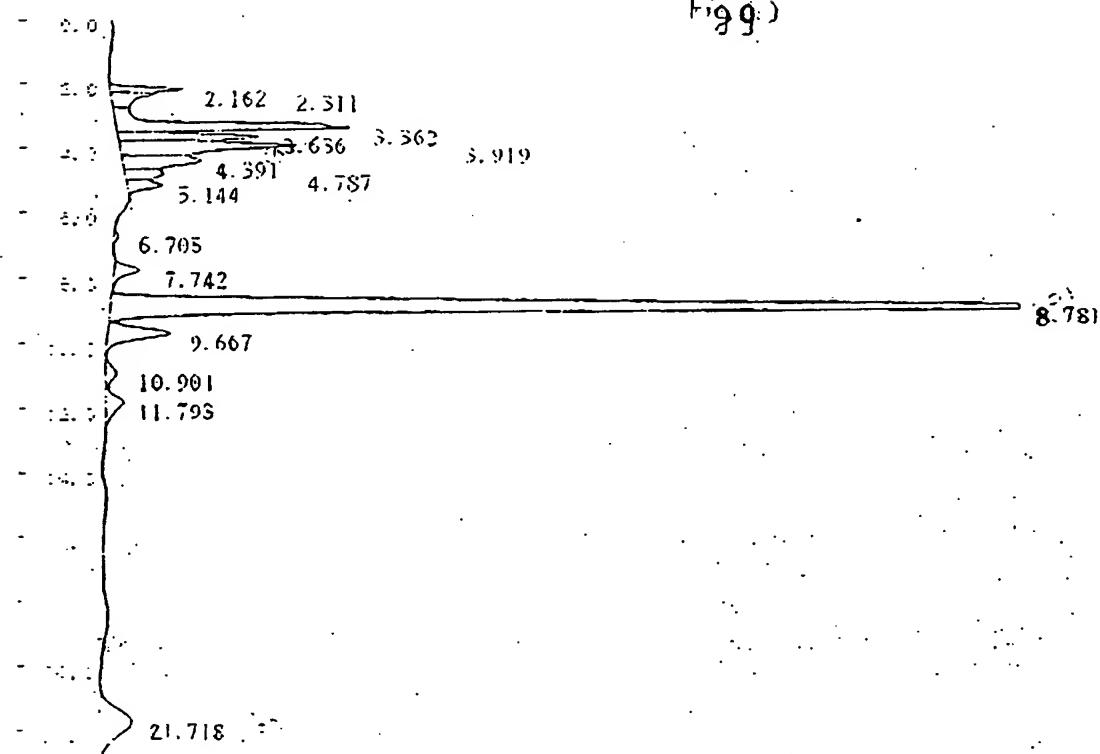


Fig.8: HPLC Profile of Sesame extract  
(1) Sesamol (2) Sesamin (3) Sesamolin

C-RTA CHROMATOPAC CH=1 REPORT No.=1

DATA=2:MABEL.CS2 00:08 08 12:57:14

Fig 9.)



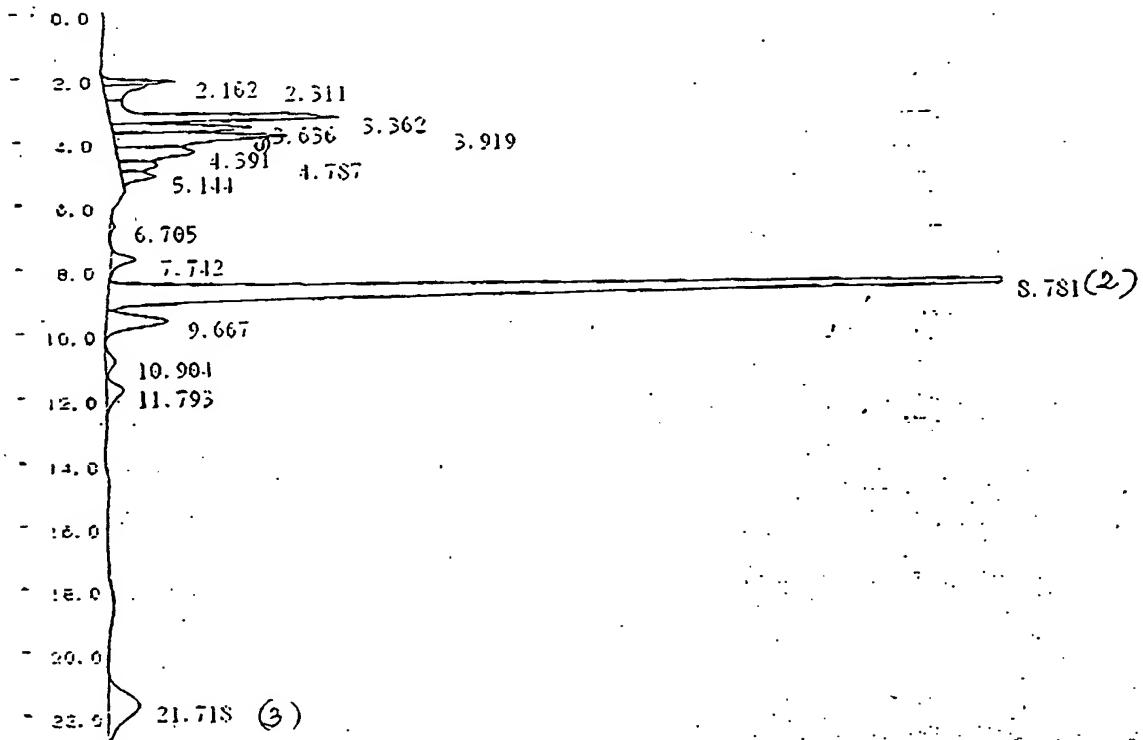
## \*\* CALIBRATION REPORT \*\*

CH	PKNO	TIME	AREA	HEIGHT	DR	IDNO	CONC	NAME
1	1.	2.162	11994	1299			1.7548	
	2.	2.311	12797	767	V		1.8721	
	3.	3.362	61832	4088	V		9.0466	
	4.	3.636	33442	2503	V		4.8929	
	5.	5.919	55292	3115	V		8.0998	
	6.	4.391	29323	1391	V		4.3982	
	7.	7.787	11002	666	V		1.6098	
	8.	5.144	19528	599	V		1.5941	
	9.	6.705	1186	74			1.5520	
	10.	7.742	8433	456			1.2538	
	11.	8.781	373960	20057			54.5752	
	12.	9.667	26034	1090	V		3.8091	
	13.	10.901	5042	171	V		0.7377	
	14.	11.793	10121	509	V		1.4809	
	15.	21.718	35186	555			4.8993	
		TOTAL	683476	37124			100	

Fig (a):

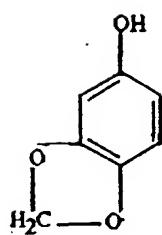
SESAME CAKE EXTRACT (PURIFIED) - HPLC PROFILE  
10.230g Cake → 0.5g extract in 100mL MeOH

C-RTA CHROMATOPAC CH=1 REPORT No.=4 DATA=2:NABEL.CS2 00/08/08 12:57:14

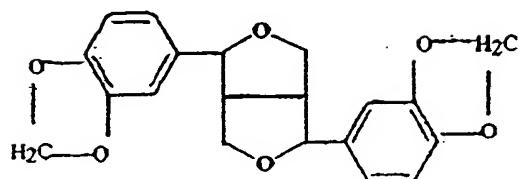


\*\* CALCULATION REPORT \*\*

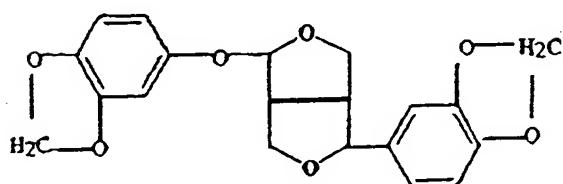
CH PRNO.	TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
1	2.162	11994	1299			1.7348	
2	2.511	12797	767	V		1.8734	
3	3.362	61832	4088	V		9.8166	1.729.7 31/643.46
4	3.636	63442	2303	V		9.8166	93.33 60/286.49
5	3.919	55292	3115	V		9.8166	2.675.15/1108.59
6	4.391	29323	1391	V		9.8166	
7	4.787	11002	666	V		9.8166	
8	5.144	9528	399	V		9.8166	
9	6.705	1186	74			0.3756	
10	7.712	8133	436			1.2338	105.13.6.13/6168.00
11	8.781	573966	20057			54.7152	
12	9.667	26034	1090	V		3.8091	4530.63/221.43
13	10.901	5042	174	V		0.7377	
14	11.793	10121	309	V		1.4509	
15	21.718	33486	555			1.8993	325.0.04/610.94
	TOTAL	683476	37124			100	



Structure 1.Sesamol



Structure 2.Sesamin



Structure 3.Sesamolin

Fig. 11